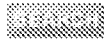



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### 1 [Tools for composite web services: a short overview](#)

[Richard Hull, Jianwen Su](#)

 June 2005 **SIGMOD Record**, Volume 34 Issue 2

**Publisher:** ACM

 Full text available: [Pdf](#) (449.55 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)
**Bibliometrics:** Downloads (6 Weeks): 29, Downloads (12 Months): 347, Citatic

Web services technologies enable flexible and dynamic interoperation of software and information systems. A central challenge is the developme techniques and tools for eanbling the (semi-)automatic composition and

### 2 [Supporting the dynamic evolution of Web service protocols in service architectures](#)

[Seung Hwan Ryu, Fabio Casati, Halvard Skogsrud, Boualem Benatallah, Ré April 2008 \*\*Transactions on the Web \(TWEB\)\*\*, Volume 2 Issue 2](#)
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In service-oriented architectures, everything is a service and everyone i provider. Web services (or simply services) are loosely coupled software are published, discovered, and invoked across the Web. As the use of W

**Keywords:** Business protocols, Web services, change impact analysis, dynamic evolution, ongoing instances

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[Massimo Mecella, Mourad Ouzzani, Federica Paci, Elisa Bertino](#)

 May 2006 **WWW '06**: Proceedings of the 15th international conference on

**Publisher:** ACM


 Full text available: [Pdf](#) (357.06 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)
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Service Oriented Computing is emerging as the main approach to build enterprise applications on the Web. The widespread use of Web services

the lack of adequate security and privacy support. In this paper, we pre


**Keywords:** access control, conversations, transition systems, web serv

#### 4 [Automatic web services composition in trustaware communities](#)

 [Fahima Cheikh](#), [Giuseppe De Giacomo](#), [Massimo Mecella](#)

November 2006 **SW S '06**: Proceedings of the 3rd ACM workshop on Secure

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The promise of Web Service Computing is to utilize Web services as fund. for realizing distributed applications/solutions. In particular, when no av can satisfy client request, (parts of) available services can be composed


**Keywords:** access control, composition, trust, web services

#### 5 [Behavioral models as service descriptions](#)

 [Robert J. Hall](#), [Andrea Zisman](#)

November 2004 **ICSOC '04**: Proceedings of the 2nd international conferenc oriented computing

**Publisher:** ACM


Full text available:  [Pdf](#) (209.70 KB) Additional Information: [full citation](#), [abstract](#), [referer](#) [terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 70, Citation

Interface descriptions, while adequate for describing relatively simple or functionality, are too abstract to properly describe entities as complex a services or feature rich telecommunications services. The web services (


**Keywords:** behavioral model, executable specification, execution moni discovery, validation

#### 6 [Ensuring required failure atomicity of composite Web services](#)

 [Sami Bhiri](#), [Olivier Perrin](#), [Claude Godart](#)

May 2005 **WWW '05**: Proceedings of the 14th international conference on

**Publisher:** ACM


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**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 139, Citator

The recent evolution of Internet, driven by the Web services technology role of the Web from a support of information interaction to a middlewa interactions. Indeed, the Web services technology allows enterprises to (

**Keywords:** failure atomicity, reliable Web services compositions, trans

#### 7 [A service re-design methodology for multi-channel adaptation](#)

-  [M. Comerio, F. De Paoli, S. Grega, C. Batini, C. Di Francesco, A. Di Pasquali](#)  
November 2004 **ICSOC '04: Proceedings of the 2nd international conference on oriented computing**

**Publisher:** ACM

Full text available:  [Pdf](#) (632.66 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)


**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 69, Citation

Many available services have been designed for a single-channel world, typically. In a real world scenario, an ever-growing number of users take different kinds of communication channels and devices. In this paper, we

**Keywords:** context of use, location awareness, methodology, multi-channel qualities of services, service re-design

- 8 [A framework for managing the evolution of business protocols in web services](#)  
[Seung Hwan Ryu, Régis Saint-Paul, Boualem Benatallah, Fabio Casati](#)  
January 2007 **APCCM '07: Proceedings of the fourth Asia-Pacific conference on Conceptual modelling - Volume 67**, Volume 67

**Publisher:** Australian Computer Society, Inc.

Full text available:  [Pdf](#) (464.34 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)


**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 77, Citation

Web services are loosely coupled software components that are published and invoked across the Web. As the use of Web services grows, in order to interact with the growing services, it is important to understand the business

**Keywords:** business protocols, change impact analysis, evolution, ongoing web services

- 9 [ServiceMosaic project: modeling, analysis and management of web service interactions](#)  
[Boualem Benatallah, Hamid Reza Motahari-Nezhad](#)  
January 2006 **APCCM '06: Proceedings of the 3rd Asia-Pacific conference on Conceptual modelling - Volume 53**, Volume 53

**Publisher:** Australian Computer Society, Inc.


Full text available:  [Pdf](#) (194.65 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

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This paper provides an overview of ServiceMosaic, which is a platform for the analysis and management of service interactions. In particular, in this paper we focus on business protocols modelling and analysis by providing operators for composing

**Keywords:** adaptation, business protocols, compatibility, replaceability

- 10 [Tutorial: towards dynamic web services](#)

 [Luciano Baresi, Sam Guinea](#)

May 2006 **ICSE '06: Proceedings of the 28th international conference on Software engineering**

**Publisher:** ACM


Full text available:  Pdf (80.19 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 92, Citations

This tutorial introduces *dynamic web services* as a solution to cope with and flexibility required by many modern software systems. Current tech WS-BPEL, etc.) have proven insufficient in addressing these issues; how

- 11** [Model-driven design and deployment of service-enabled web applications](#)  
 Ioana Manolescu, Marco Brambilla, Stefano Ceri, Sara Comai, Piero Fraternali  
 August 2005 **Transactions on Internet Technology (TOIT)**, Volume 5 Issue 4


**Publisher:** ACM  [Request Permissions](#)

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**Bibliometrics:** Downloads (6 Weeks): 45, Downloads (12 Months): 382, Citations

Significant effort is currently invested in application integration, enabling processes of different companies to interact and form complex multiparty service standards, based on WSDL (Web Service Definition Language), I

**Keywords:** UML, Web application, Web services, WebML, modeling

- 12** [A framework for the server-side management of conversations with web services](#)  
 Liliana Ardissono, Davide Cardinot, Giovanna Petrone, Marino Segnan  
 May 2004 **WWW '04: Proceedings of the 13th international World Wide Web Conference on Alternate track papers & posters**


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The emerging standards for the publication of Web Services are focused on the specification of the static interfaces of the operations to be invoked, or on the composition. Few efforts have been made to specify the interaction between Web Service ...

**Keywords:** service oriented architectures, tools and technologies for web services development

- 13** [An abductive framework for a-priori verification of web services](#)  
 Marco Alberti, Marco Gavanelli, Evelina Lamma, Federico Chesani, Paola Montali  
 July 2006 **PPDP '06: Proceedings of the 8th ACM SIGPLAN symposium on Practice of declarative programming**

**Publisher:** ACM  [Request Permissions](#)

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Although stemming from very different research areas, Multi-Agent Systems and Service Oriented Computing (SOC) share common topics, problems and the common problem is the need to formally verify the conformance of


**Keywords:** abduction, choreographies, constraints, formal verification,

#### 14 [Methodological support for service-oriented design with ISDL](#)

 [Dick Quariel](#), [Remco Dijkman](#), [Marten van Sinderen](#)

November 2004 **ICSOC '04: Proceedings of the 2nd international conference on service-oriented computing**

**Publisher:** ACM


Full text available:  [Pdf](#) (296.25 KB) Additional Information: [full citation](#), [abstract](#), [reference](#), [review](#)

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Currently, service-oriented computing is mainly technology-driven. Most focus on the technology that enables enterprises to describe, publish an application services, and to communicate with applications of other enterprises according ...

**Keywords:** ISDL, service, service-oriented computing, service-oriented

#### 15 [Process modeling in Web applications](#)

 [Marco Brambilla](#), [Stefano Ceri](#), [Piero Fraternali](#), [Ioana Manolescu](#)

October 2006 **Transactions on Software Engineering and Methodology**  
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Full text available:  [Pdf](#) (1.17 MB) Additional Information: [full citation](#), [abstract](#), [reference](#)

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While Web applications evolve towards ubiquitous, enterprise-wide or mobile information systems, they face new requirements, such as the capability to model complex processes spanning multiple users and organizations, by integrating software ...

**Keywords:** Web applications, Web engineering, conceptual modeling, v

#### 16 [A theory of contracts for Web services](#)

 [Giuseppe Castagna](#), [Nils Gesbert](#), [Luca Padovani](#)

June 2009 **Transactions on Programming Languages and Systems (TPLS)**  
31 Issue 5


**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (494.37 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

**Bibliometrics:** Downloads (6 Weeks): 69, Downloads (12 Months): 157, Citations



Contracts are behavioral descriptions of Web services. We devise a theory that formalizes the compatibility of a client with a service, and the safe composition of a service with another service. The use of contracts statically ensures the

**Keywords:** Web services, CCS, concurrency theory, contracts, explicit composition testing, subtyping, type theory

**17** [Flexible coordination of service interaction patterns](#) [Christian Zirpins, Winfried Lamersdorf, Toby Baier](#)November 2004 **ICSOC '04**: Proceedings of the 2nd international conference on service-oriented computing**Publisher:** ACMFull text available:  [Pdf](#) (512.79 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 86, Citations: 0

Service-oriented computing is meant to support loose relationships between organisations: Collaboration procedures on the application-level translate processes via Web Services. Service composition deals with the specific enforcement ...

**Keywords:** interaction- and coordination process patterns, rule-based service composition, service-oriented computing

**18** [Ontology support for web service processes](#) [C. Pahl, M. Casey](#)September 2003 **ESEC/ FSE-11**: Proceedings of the 9th European software conference held jointly with 11th ACM SIGSOFT international Foundations of software engineering**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (200.99 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 113, Citations: 0

Web Services are software services that can be advertised by providers and customers using Web technologies. This concept is currently carried forward by Web service choreography. Choreography refers to the composition of interactions

**Keywords:** ontologies, service choreography, web services

Also published in:

September 2003 **SIGSOFT Software Engineering Notes** Volume 28 Issue 5**19** [Using Web Service Technologies to Create an Information Broker: A Report](#)[Mark Turner, Fujun Zhu, Ioannis Kotsiopoulos, Michelle Russell, David Bud Bennett, Pearl Brereton, John Keane, Paul Layzell, Michael Rigby](#)May 2004 **ICSE '04**: Proceedings of the 26th International Conference on Software Engineering**Publisher:** IEEE Computer SocietyFull text available:  [Pdf](#) (305.99 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 104, Citations: 0

This paper reports on our experiences with using the emerging web service technologies and tools to create a demonstration information broker system as part of an information management in a distributed environment. To provide a real

**20** [Web service interfaces](#)



[Dirk Beyer](#), [Arindam Chakrabarti](#), [Thomas A. Henzinger](#)

May 2005 **WWW '05**: Proceedings of the 14th international conference on

**Publisher:** ACM

Full text available: [Pdf](#) (263.28 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 270, Citations

We present a language for specifying web service interfaces. A web service defines three kinds of constraints on the users of the service. First, the interface defines the methods that can be called by a client, together with types of input ...

**Keywords:** Web service compatibility, Web service interfaces, Web services, formal specification, formal verification

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